PART 1 - GENERAL

1.00 DESCRIPTION

A. Furnish and install a complete Continuous Video Surveillance and Recording System.
   1. This system shall be centrally located in the Main Data Center.
   2. This System shall be managed by the EWU Police Department, in cooperation with the Office of Information Technology.
   3. This System may include, but is not limited to, cameras, servers, storage devices, media, networking, view stations, equipment housings, and data.

1.01 RELATED DOCUMENTS


C. Drawings and general provisions of the Contract, including General and Supplemental Conditions and other Division 1 Specification Sections, apply to this Section.

D. Refer to the following sections for additional requirements:

1.02 RELATED SECTIONS

A. Refer to the following sections for additional requirements for the Communications Distribution System (CDS):

1. Standards Section 078413 (07841) – Through-Penetration Fire Stop System
2. Standards Section 101000 (10019) – Space Identification-Standard
3. Standards Section 260000 (16111) – Raceway System
4. Standards Section 260000 (16130) – Boxes (Sizes, Styles and Types)
5. Standards Section 260000 (16650) – Electrical System-CDS
6. Standards Section 132100 (16652) – Requirements for Communication Rooms
1.03 SCOPE

A. It is the intent of these specifications to provide complete Video Surveillance System for the (Building Name and Acronym).

B. This equipment shall be furnished by the owner under a separate Communications Contract.

C. Quality Assurance

1. General

   a. Contractors choosing to bid on the Multimedia System installation of the project must submit qualification documentation to the owner and engineer at least two weeks prior to date of bid opening.

   b. Qualification of contractors will take place prior to the submission of bids. Bids from contractors not receiving prior qualification approval from the owner and owner’s engineer will not be accepted.

   c. Notification of approval of contractor’s qualifications and experience will be given one week prior to opening of bids.

2. Qualifications of Experience

   a. The following criteria shall be used as a standard for judging installation qualification and project experience:
1) Installing Contractor to have previously installed jobs of similar magnitude completed within the last five years. Similar magnitude includes; equal or larger venue size, system cost and complexity. Provide evidence of at least one such completed job for inspection by the owner and engineer. The information shall include project scope, system description, system cost, and owner and engineer references.

2) The installing Contractor shall have at least five years experience with equipment and systems of the types specified.

3) The installing Contractor shall maintain a fully staffed and equipped service facility, and shall be a franchised dealer and authorized service facility for the major brands specified.

4) The installing Contractor shall be a Washington State, Spokane County licensed contractor, business and resident of five years minimum and maintain a service and installation staff of 10 full time installation and service technicians dispatched from the Contractors full time place of business located within a 30 mile radius of the Project site.

5) To qualify as a bidder, the installation shall be made by a licensed and bonded contractor holding a valid Electrical Contractor’s License and Administrator’s Certificate as prescribed by the State of Washington. All work covered by this specification is to be performed by a holder of a current State of Washington Specialty Electrician for limited energy systems.

6) The Installing Contractor shall have staffing and computer systems to produce acceptable quality shop drawings and project record documents. Schematic diagrams, speaker location, orientation, rigging, fabrication and layout details to be produced using AutoCAD 2000 or later.

3. Contractor Qualification Submittals

a. Submittals for qualification shall include all of the following:

1) A description of the installing contractor’s fulfillment of qualifications and experience in all areas listed in the section above.

2) A brief company description outlining company history including how long the company has been in business, the number of personnel employed, etc.

3) Resumes of staff that will be involved in working on the project and their roles. Include education, training, experience, professional societies and notable contributions to the industry.
4) Representative project list. Include a project description, company personnel who worked on the project with their involvement, and a reference point of contact. Note whether the key personnel involved in these projects are still employed with the company.

5) Samples of project documentation. Include schematic diagrams, speaker orientation and rigging details, panel fabrication details, and any other applicable documentation.

6) Contractors who are approved by addenda will submit pricing as an Alternate.

D. Project Conditions

1. The contractor shall verify all conditions on the jobsite applicable to this work, and shall notify the Owner Architect in writing of discrepancies, conflicts, or omissions promptly upon discovery.

2. The drawings diagrammatically show cables, conduit, wiring, and arrangements of equipment fitting the space available without interference. If conditions exist at the job site which make it impossible to install work as shown, recommend solutions and / or submit drawings to the Architect for approval, showing how the work may be installed.

3. All conduits and pathway shall be installed by the General Contractor’s Electrical Contractor per the Standards Section 26000 (16650) Tel/Data Electrical System.

E. Warranty

1. Installer shall warrant equipment to be free of defects in materials and workmanship for not less than one year after date of Substantial Completion. Defects occurring in labor or materials within one-year warranty shall be rectified by replacement or repair. Within the warranty period, provide answer to service calls and requests for information within a 24-hour period, and repair or replace any faulty item within a 72-hour period without charge, including parts and labor.

2. This warranty shall not void specific warranties issued by manufacturers for greater periods of time. Nor shall it void any rights guaranteed to the owner by law.

3. The Contractor shall provide Owner with exact beginning and ending dates of the warranty period, and shall Include the name of the person to call for service and telephone number. This information to be part of Project Record Drawings.

1.03 OPERATION - VIDEO SURVEILLANCE SYSTEM

A. The system shall
B. The system shall accept
C. Switching shall be provided to select externally
D. Switching of inputs shall be accomplished by a

1.04 SUBSTITUTIONS

A. Throughout these specifications various materials, equipment, apparatus, etc., are specified by manufacturer, brand name, and type or catalog number. Such designations are intended to establish standards of desired performance, quality and construction as well as exact operating features required and shall be the basis of the bid. This specification is not intended to restrict competitive bidding.

B. Contractors wishing to bid on equipment other than that listed ('substitute' equipment) shall obtain prior approval of same. Approval of such items will be issued to all bidders by addendum. Requests for prior approval shall be submitted at least seven days prior to the bid date.

PART 2 - PRODUCTS

2.01 VIDEO SURVEILLANCE SYSTEM

A. General

1. All equipment items shall be selected and installed to provide fully normal operation in the anticipated ambient temperature range of 55° to 100°F.

B. Video Cameras

1. Video Camera - Shall be an LCD projection unit. Picture orientation shall be switch selectable for proper display for either ceiling mount (unit upside down), rack mount (unit right side up) in either a front or rear screen projection configuration.

PART 3 - EXECUTION

3.01 INSTALLATION
A. System equipment shall not be installed until the environment is free of dust. A dust-free environment shall be considered one in which all construction work has been completed and the air handling system for the area has been operated continuously for at least two weeks with a filter change after one week. During and following installation of the system equipment, relay assemblies and equipment cabinets, the air handling system shall be kept operational continuously and shall be adjusted to maintain a positive pressure relative to building spaces outside the areas of installation. Openings into the installation spaces shall be kept closed, filters shall be changed at frequent intervals, equipment enclosures shall be kept closed, covers shall be installed and any other provisions for keeping the equipment, assemblies and cabinets clean and free of dust and deliver shall be employed.

B. Verify exact location and sizes of all existing conduit runs and back boxes prior to rough-in.

END OF SECTION 28230